

ABSTRACT

Based on a packet arrival time required for a specified  
5 reference number of packets corresponding to the  
transmission window size to arrive, the receiver 120  
generates the new window size information, adds it to  
the accumulative ACK packet, and returns it to the  
transmitter 110. The transmitter 110 transmits the  
10 packets with a transmission window size determined in  
response to the new window size information from the  
receiver 120. The communication system 100 of the present  
invention controls the quantity of packets being  
transmitted before occurrence of congestion of the  
15 packets being transmitted.